

**Catalog Number** A1310  
**Product Name** 7-aminoactinomycin D (7-AAD)  
**CAS Number / Name** 7240-37-1 / Actinomycin D, 7-amino-  
**Molecular Formula**  $C_{62}H_{87}N_{13}O_{16}$   
**Molecular Weight** 1270.45  
**Appearance** red solid  
**Lot Number** 2096399

|   | LOT DATA   | SPECIFICATION   |
|---|--|---|
| <b>Absorption</b> <sup>1</sup><br>Maximum<br>Extinction | 523 nm<br>27700 cm <sup>-1</sup> M <sup>-1</sup> | 522 ± 3 nm<br>27500 ± 3000 cm <sup>-1</sup> M <sup>-1</sup> |
| <b>Fluorescence</b> <sup>1</sup><br>Emission Maximum    | 647 nm   | 646 ± 4 nm  |
| <b>HPLC</b><br>Purity                                   | 97 % at 254 nm                                   | ≥ 92 % at 254 nm  |
| <b>Miscellaneous Information</b><br>Material Lot Number | 1894549  | N/A   |

1. Solvent: Methanol.



Rachel Smith, Quality Assurance Manager  
24-Jul-2017

Life Technologies Corporation, on behalf of its Invitrogen business, Molecular Probes® labeling and detection technologies, certifies on the date above that this is an accurate record of the analysis of the subject lot and that the data conform to the specifications in effect for this product at the time of analysis.